

Claims:

1. A method for transferring image information from a camera module (1) to an electronic device, such as a mobile station (23), in which camera module (1) an image is formed by an image sensor (2) comprising pixels where the light to which the pixels (P1,1—Pm,n) are exposed is converted into an analog signal which is converted into digital image information, **characterised** in that the image information is transferred in serial form and that the transfer of the image information is controlled from the electronic device (23).
2. The method according to claim 1, **characterised** in that the quantity of the image information to be transferred from the camera module (1) can be adjusted.
3. The method according to claim 2, **characterised** in that the adjustment of the quantity of image information to be transferred from the camera module (1) is conducted by adjusting the conversion accuracy of the analog/digital conversion.
4. The method according to claim 2 ~~or 3~~, **characterised** in that the adjustment of the quantity of image information to be transferred from the camera module (1) is conducted by adjusting the resolution of the image.
5. The method according to claim 4, **characterised** in that the adjustment of the resolution of the image is conducted by undersampling of the image information.
6. The method according to claim 4 ~~or 5~~, **characterised** in that in the electronic device (23), the resolution is restored by interpolation from the received image information.
7. A camera module (1) comprising an image sensor (2) with pixels (P1,1—Pm,n) for conducting photoelectric conversion, and means (6, 7) for conversion of the analog signal generated by said pixels into digital form, **characterised** in that the camera module (1) further comprises means (10) for transferring digital image information to an

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electronic device, such as a mobile station (23), in serial form, and means (11, 16) for conducting the transfer of the image information under control by the electronic device (23).

5 8. The camera module (1) according to claim 7, **characterised** in that it further comprises means (11) for adjusting the quantity of image information to be transferred from the camera module (1).

10 9. The camera module (1) according to claim 8, **characterised** in that said means (11) for adjusting the quantity of image information to be transferred from the camera module (1) comprise means (13) for adjusting the conversion accuracy of the analog/digital conversion.

15 ^A 10. The camera module (1) according to claim 8 ~~or 9~~, **characterised** in that said means (11) for adjusting the quantity of image information to be transferred from the camera module (1) comprise means (15, 33) for adjusting the resolution of the image.

20 11. The camera module (1) according to claim 10, **characterised** in that said means (33) for adjusting the resolution of the image comprise means (12, 13) for undersampling of the image information.

25 ^A 12. The camera module (1) according to ~~any of the claims 8 to 11~~, **characterised** in that said means (11) for adjusting the quantity of image information to be transferred from the camera module (1) comprise means (15) for undersampling of the image information formed in the camera module (1).

30 13. A mobile station (23), **characterised** in that it comprises:
 — means (10) for connecting a camera module (1), the camera module (1) comprising an image sensor (2) with pixels (P_{1,1}—P_{m,n}) for conducting a photoelectric conversion, and means (6, 7) for converting the analog signal generated by the photoelectric conversion means to digital form, and
 35 — means (24, 25) for controlling the transfer of image information formed by the camera module (1), and
 — means (24) for transferring the image information formed by the camera module (1) to the mobile station (23) in serial form.

